

Notice of Allowability

Application No.

10/711,586

Examiner

Sam Rizk

Applicant(s)

WU ET AL.

Art Unit

2112

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 3/28/2007.
2. ☒ The allowed claim(s) is/are 1-31.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____


GUY LAMARRE
PRIMARY EXAMINER

DETAILED ACTION

- Response to the applicant's request to further review the claims amendment dated 1/30/2006
- Amended claims 1-31 have been submitted for examination
- Amended claims 1-31 have been allowed

EXAMINER'S AMENDMENT

An examiner's amendment to the record attached to this office. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

1. Authorization for this examiner's amendment was given in a telephone interview with attorney Larry Hume on 5/9/2007.
2. Change claim 1, line 14, the "automatically switching strategies" " to "switching strategies automatically".
3. Change claim 11, line 12, the "automatically switching strategies" " to "switching strategies automatically".
4. Change claim 15, line 11, the "automatically switching strategies" " to "switching strategies automatically".
5. Change claim 16, line 14, the "automatically switching strategies" " to "switching strategies automatically".
6. Change claim 17, line 14, the "automatically switching strategies" " to "switching strategies automatically".

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7. Change claim 18, line 13, the "automatically switching strategies" " to "switching strategies automatically".
8. Change claim 29, line 9, the "automatically switching strategies" " to "switching strategies automatically".

Claim Rejections - 35 USC § 112, 2nd

9. In view of the Examiner amendment of claims 1, 11, 15, 16, 17, 18 and 29, the claims rejections filed on 3/28/2007 under section **35 USC § 112, 2nd** are withdrawn.

Response to Amendment

10. Applicant's request for reconsideration of the finality of the rejection of the last Office action filed on 3/28/2007 is persuasive and, therefore, the finality of that action is withdrawn.

REASONS FOR ALLOWANCE

The following is an examiner's statement of reasons for allowance:

11. The prior Art of record and, in particular Jeon et al. US patent no. 7058875 (Hereinafter Jeon) and Mori et al. US patent no. 7055082 (Hereinafter Mori) teach method pf error correction data on high density recording medium by providing a multiword information cluster including high protective codewords (BIS) and low protective codewords LDC) comprising;

decoding the high protective codewords so as to generate high protective word erasure indicators showing whether decoding errors occur;

storing the high protective word erasure indicators into a second memory;

decoding the low protective codewords read from the first memory by means of an erasure indicator read from the second memory;

However, Jeon and Mori do not teach, suggest, or otherwise render obvious the additional limitation as recited in claim 1 that:

marking an erasure bit for decoding the low protective codewords based on the high protective word erasure indicators close to any low protective codeword in the multiword information cluster,

wherein the erasure bit is determined by switching strategies automatically to be more strict in sequence.

12. Claims (2-10) depend from claims 1.
13. Claims 11, 15, 16, 17, 18 and 29 have similar language as in claim 1.
14. Claims (12-14) depend from claims 11.
15. Claims (19-28) depend from claims 18.
16. Claims (30-31) depend from claims 29.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sam Rizk whose telephone number is (571) 272-8191. The examiner can normally be reached on M-F 8-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jacques Louis-Jacques can be reached on (571) 272-6962. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

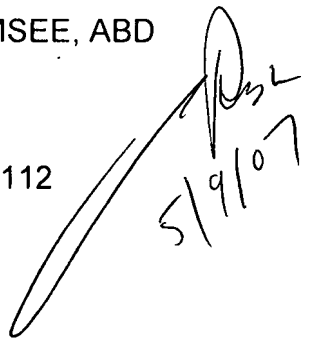
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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronics Business Center (EBC) at 866-217-9197 (toll-free)

Sam Rizk, MSEE, ABD

Examiner

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5/9/07



GUY LAMARRE
PRIMARY EXAMINER